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NPIC/R-56/65

March 1965

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PHOTOGRAPHIC INTERPRETATION REPORT

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S-17026

SASIN MISSILE, MOSCOW PARADE 7 NOVEMBER 1964

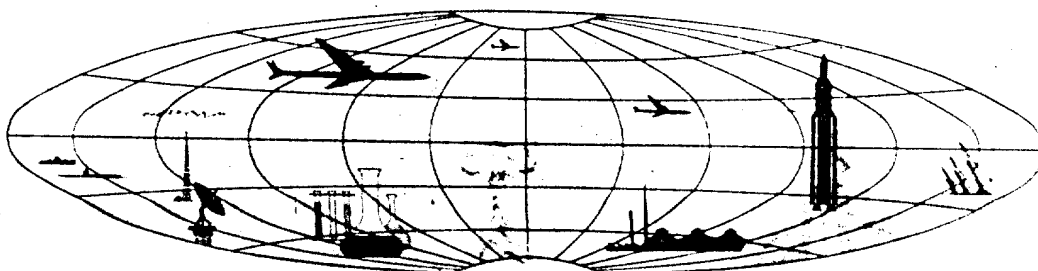


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NPIC/R-56/65

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PREFACE

This report is in response to CIA requirement C-S14-82,021 and GMAIC Deployment Working Group requirement 54-64, for mensuration and line drawings of the SASIN missile.

The mensural data contained in this report were obtained from photographic graphical solutions coupled with scaling and ratio techniques. Because of the geometrical problems involved in mensural analysis of oblique ground photography, some degree of error is inherent. The reader is cautioned that, while in many instances dimensions are carried to the one hundredth part of a foot, the degree of accuracy is not that reliable. The following table presents a general guideline in determining what degree of confidence can be placed in the data.



The reader is further cautioned that the graphics presented with the accompanying mensural data are not intended to be used for detailed engineering analysis.

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NPIC/R-56/65

SASIN MISSILE, MOSCOW PARADE, 7 NOVEMBER 1964

The first 2 Soviet ICBMs ever publicly displayed were photographed in the Moscow parade of 7 November 1964 (Figures 1 and 2), and have been assigned the designator "SASIN."

The SASIN is a 2-stage, liquid propelled ICBM whose overall length is 79.00 feet (Figure 3). Diameter of the first stage is 10.00 feet, and of the second stage, 8.00 feet. The nosecone is 16.90 feet long from the end of the second stage to the tip, and of this length the probable guidance portion is 9.30 feet and the reentry vehicle is 7.60 feet. The reentry vehicle is 4.45 feet in diameter at its widest, projecting slightly where the guidance portion of the airframe joins it.

The prime mover is the same model diesel-powered truck tractor that was used to tow the GALOSH missile in the parade. The truck tractor has 2 steerable tandem axles under the cab and 2 fixed tandem axles under the fifth wheel (Figures 4 through 7). Overall length of tractor and trailer is 99.28 feet.

The SASIN is transported on a trailer that is 83.10 feet long, the forward end supported by the fifth wheel of the tractor and the after end by 3 tandem axles. The missile is cradled in the bed of the transporter trailer. Neither the trailer nor the prime mover has any visible means of erecting the missile, or even of offloading it.

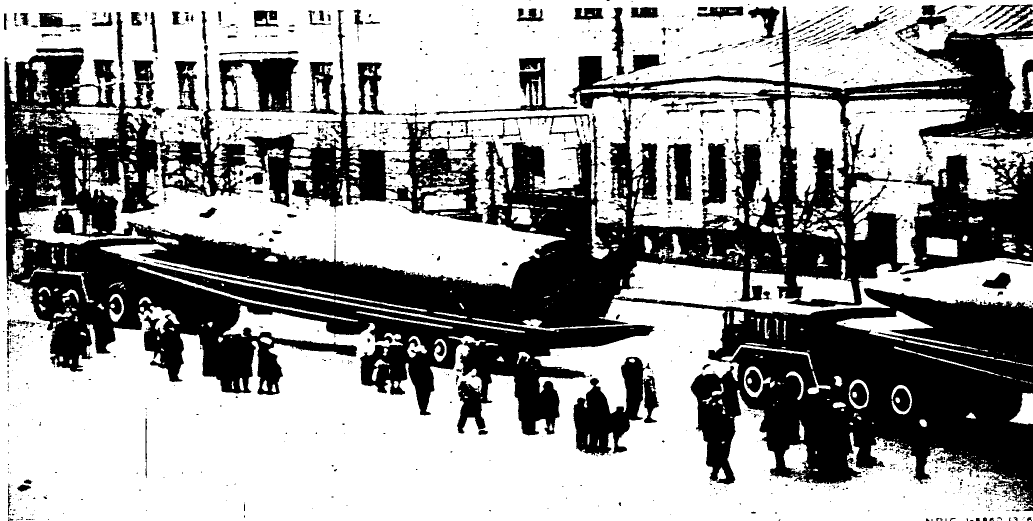


FIGURE 1. SASIN ICBM ON PARADE, 7 NOVEMBER 1964.

NPIC J-8860 (3-65)

- 1 -

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NPIC/R-56/65

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FIGURE 2. PARTIAL VIEWS OF THE ICBM.

NPIC J-8861 (3/65)

- 2 -

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NPIC/R-56/65

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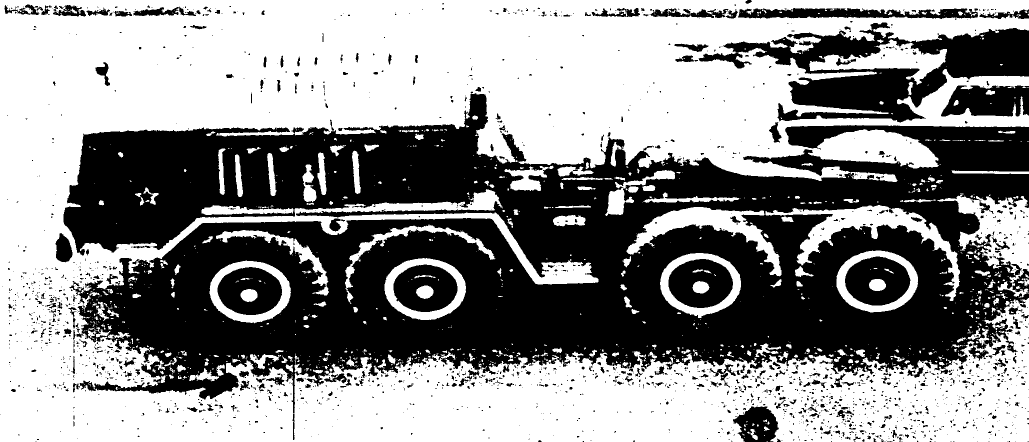
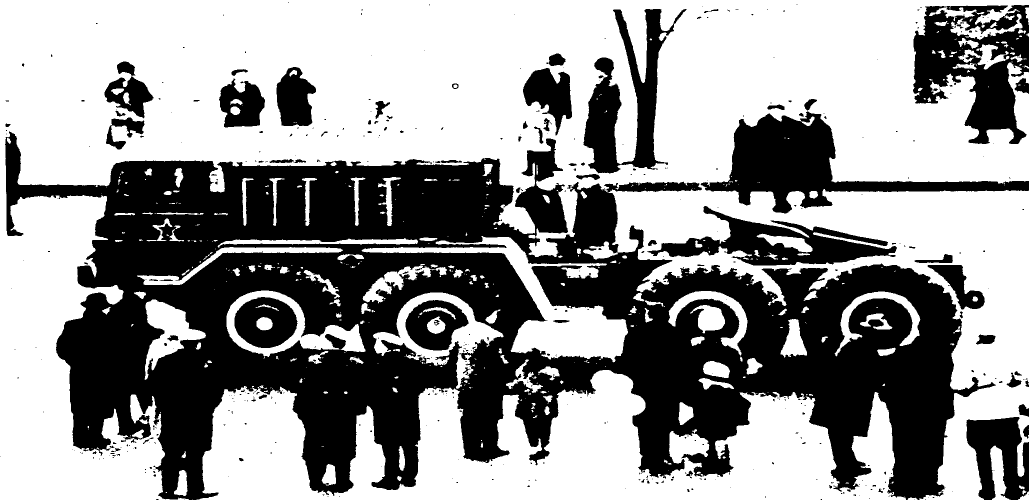


FIGURE 4. VIEWS OF THE PRIME MOVER.

NPIC J-8863 (3/65)

- 5 -

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NPIC/R-56/65

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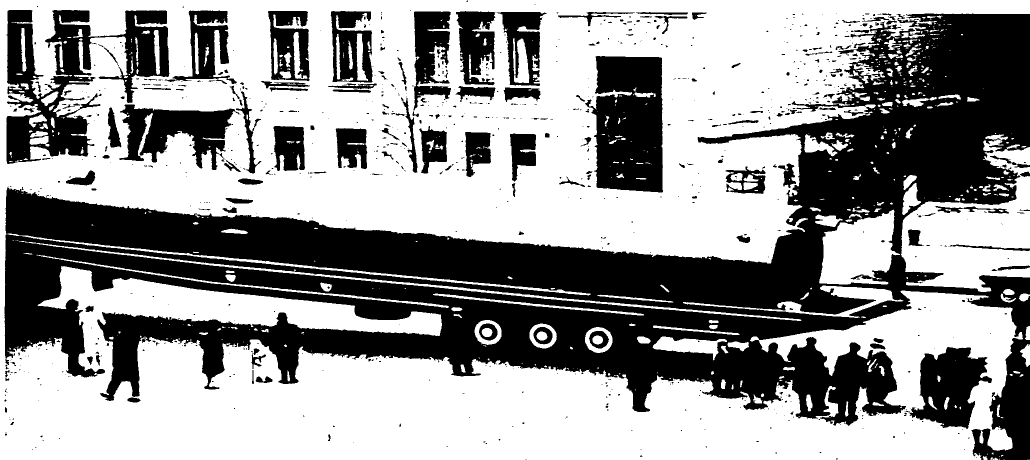
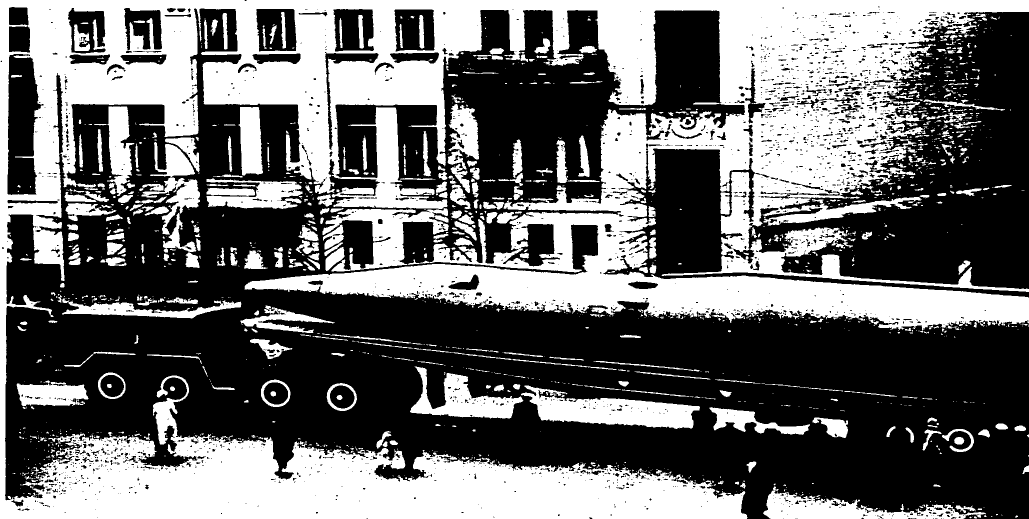


FIGURE 5. SIDE VIEWS OF THE MISSILE ON TRACTOR TRAILER.

NPIC J-R004 13/651

- 6 -

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NPIC/R-56/65

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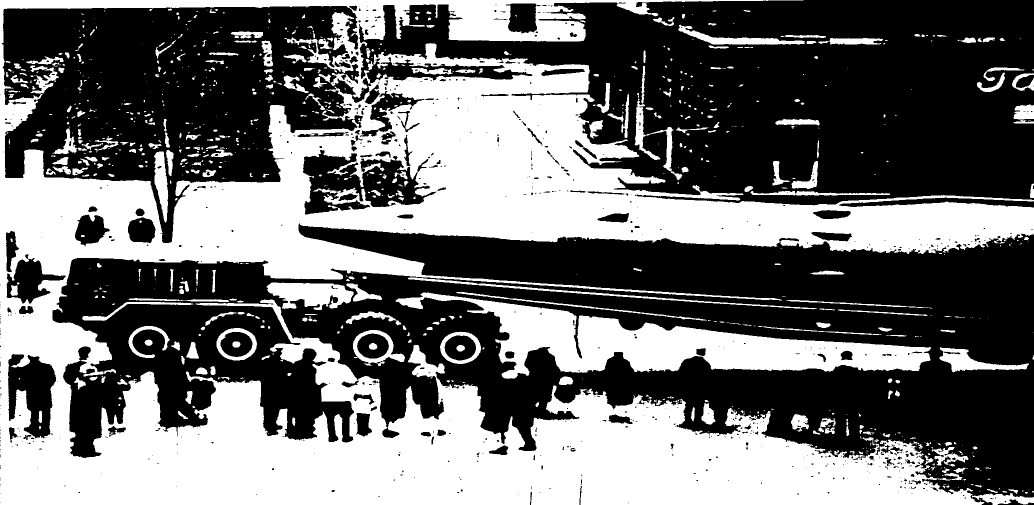


FIGURE 7. PRIME MOVER AND FORWARD END OF SASIN.

NPIC J-8866 (3/65)

REFERENCES

PHOTOGRAPHY

Selected attache photography of 7 November 1964 (SECRET)

REQUIREMENTS

CIA. C-S14-82,021 (rev. 29 Nov 64)

GMAIC. 54-64

NPIC PROJECT

11955/64 (partial answer)

- 9 -

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